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REGISTRY INITIATED

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L2 10 L1

=> dup rem l2

PROCESSING COMPLETED FOR L2

L3 10 DUP REM L2 (0 DUPLICATES REMOVED)

=> d 1-10 ti

L3 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Haplotypes and genotyping of the human PRLR gene encoding prolactin receptor

L3 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Gene expression profiling of primary breast carcinomas using arrays of candidate genes

L3 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Expressed gene sets as markers for specific tumors

L3 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2003 ACS
 TI Prolactin receptor gene polymorphic markers for increased litter size in animals

L3 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2003 ACS
 TI Nucleic acid compositions, kits, and methods for identification, assessment, prevention, and therapy of human breast cancer

L3 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2003 ACS
 TI Soluble human prolactin receptors

L3 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2003 ACS
 TI Sequence and functional characterization of the marmoset monkey (Callithrix jacchus) prolactin receptor: comparative homology with the human long-form prolactin receptor

L3 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2003 ACS
 TI Functional characterization of the intermediate isoform of the human prolactin receptor

L3 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2003 ACS
 TI CDNA for human prolactin receptor and its cloning and expression

L3 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2003 ACS
 TI Identification of a cDNA encoding a long form of prolactin receptor in human hepatoma and breast cancer cells

=> d 1-10 bib ab kwic

L3 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:487584 CAPLUS
 DN 137:42663
 TI Haplotypes and genotyping of the human PRLR gene encoding prolactin receptor
 IN Bieglecki, Karyn M.; Duda, Amy; Koshy, Beena
 PA Genaissance Pharmaceuticals, Inc., USA
 SO PCT Int. Appl., 81 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2002050098 | A2 | 20020627 | WO 2001-US49049 | 20011218 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2002029099 | A5 | 20020701 | AU 2002-29099 | 20011218 |
| PRAI | US 2000-256523P | P | 20001218 | | |
| | WO 2001-US49049 | W | 20011218 | | |
| AB | Novel single nucleotide polymorphisms in the human prolactin receptor (PRLR) gene are described. Seven novel polymorphic sites and 8 isogenes are discovered by characterizing the PRLR gene found in genomic DNAs isolated from an Index Repository that contains immortalized cell lines from one chimpanzee and 93 human individuals self-identified as belonging | | | | |

to one of the four major population groups. To the extent possible, the members of this ref. population were organized into population subgroups by the self-identified ethnogeog. origin of their four grandparents. One polymorphic site is identified in the coding region of PRLR, resulting in a single polymorphic position in the protein. In addn., various genotypes, haplotypes and haplotype pairs for the PRLR gene that exist in the population are described. Compns. and methods for haplotyping and/or genotyping the PRLR gene in an individual are also disclosed. Polynucleotides contg. one or more of the PRLR polymorphisms disclosed herein are also described.

IT 438502-72-8 438502-73-9

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (nucleotide sequence; haplotypes and genotyping of the human PRLR gene encoding prolactin receptor)

L3 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2003 ACS

AN 2002:449922 CAPLUS

DN 137:18794

TI Gene expression profiling of primary breast carcinomas using arrays of candidate genes

IN Bertucci, Francois; Houlgatte, Remi; Birnbaum, Daniel; Nguyen, Catherine; Viens, Patrice; Fert, Vincent

PA Ipsogen, Fr.

SO PCT Int. Appl., 401 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE | |
|------|-----------------|------|----------|--|----------|--|
| PI | WO 2002046467 | A2 | 20020613 | WO 2001-IB2811 | 20011207 | |
| | W: | | | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | |
| | RW: | | | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | |
| | AU 2002034799 | A5 | 20020618 | AU 2002-34799 | 20011207 | |
| PRAI | US 2000-254090P | P | 20001208 | | | |
| | US 2001-7926 | A | 20011207 | | | |
| | WO 2001-IB2811 | W | 20011207 | | | |

AB The invention relates to a polynucleotide library useful in the mol. characterization of a carcinoma, the library including a pool of polynucleotide sequences of subsequences thereof wherein the sequences of subsequences are overexpressed or underexpressed in tumor cells. Further, the sequences of subsequences correspond substantially to any of the 468 polynucleotide sequences provided or the complement thereof. Subsets of these polynucleotide sequences are useful in differentiating normal breast tissue from breast cancer cells, hormone (estrogen receptor)-sensitive tumors, tumors with lymph nodes vs. tumors without lymph nodes, and anthracycline-sensitive vs. anthracycline-insensitive tumors, and in classifying good vs. poor prognosis primary breast tumors. The invention relates also to polynucleotides arrays useful to differentiate tumor cells from normal cells comprising combinations of selected immobilized polynucleotide sequences sets.

| | | | | | |
|----|-------------|-------------|-------------|-------------|-------------|
| IT | 433982-87-7 | 433982-88-8 | 433982-89-9 | 433982-90-2 | 433982-91-3 |
| | 433982-92-4 | 433982-93-5 | 433982-94-6 | 433982-95-7 | 433982-96-8 |
| | 433982-97-9 | 433982-98-0 | 433982-99-1 | 433983-00-7 | 433983-01-8 |

| | | | | |
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| 433983-02-9 | 433983-03-0 | 433983-04-1 | 433983-05-2 | 433983-06-3 |
| 433983-07-4 | 433983-08-5 | 433983-09-6 | 433983-10-9 | 433983-11-0 |
| 433983-12-1 | 433983-13-2 | 433983-14-3 | 433983-15-4 | 433983-16-5 |
| 433983-17-6 | 433983-18-7 | 433983-19-8 | 433983-20-1 | 433983-21-2 |
| 433983-22-3 | 433983-23-4 | 433983-24-5 | 433983-25-6 | 433983-26-7 |
| 433983-27-8 | 433983-28-9 | 433983-29-0 | 433983-30-3 | 433983-31-4 |
| 433983-32-5 | 433983-33-6 | 433983-34-7 | 433983-35-8 | 433983-36-9 |
| 433983-37-0 | 433983-38-1 | 433983-39-2 | 433983-40-5 | 433983-41-6 |
| 433983-42-7 | 433983-43-8 | 433983-44-9 | 433983-45-0 | 433983-46-1 |
| 433983-47-2 | 433983-48-3 | 433983-49-4 | 433983-50-7 | 433983-51-8 |
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| 433983-57-4 | 433983-58-5 | 433983-59-6 | 433983-60-9 | 433983-61-0 |
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| 433983-67-6 | 433983-68-7 | 433983-69-8 | 433983-70-1 | 433983-71-2 |
| 433983-72-3 | 433983-73-4 | 433983-74-5 | 433983-75-6 | 433983-76-7 |
| 433983-77-8 | 433983-78-9 | 433983-79-0 | 433983-80-3 | 433983-81-4 |
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| 433983-86-9 | 433983-87-0 | 433983-88-1 | 433983-89-2 | 433983-90-5 |
| 433983-91-6 | 433983-92-7 | 433983-93-8 | 433983-94-9 | 433983-95-0 |
| 433983-96-1 | 433983-97-2 | 433983-98-3 | 433983-99-4 | 433984-00-0 |
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| 433984-16-8 | 433984-17-9 | 433984-18-0 | 433984-19-1 | 433984-20-4 |
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| 433984-36-2 | 433984-37-3 | 433984-38-4 | 433984-39-5 | 433984-40-8 |
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| 433984-46-4 | 433984-47-5 | 433984-48-6 | 433984-49-7 | 433984-50-0 |
| 433984-51-1 | 433984-52-2 | 433984-53-3 | 433984-54-4 | 433984-55-5 |
| 433984-56-6 | 433984-57-7 | 433984-58-8 | 433984-59-9 | 433984-60-2 |
| 433984-61-3 | 433984-62-4 | 433984-63-5 | 433984-64-6 | 433984-65-7 |
| 433984-66-8 | 433984-67-9 | 433984-68-0 | 433984-69-1 | 433984-70-4 |
| 433984-71-5 | 433984-72-6 | 433984-73-7 | 433984-74-8 | 433984-75-9 |
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| 433984-81-7 | 433984-82-8 | 433984-83-9 | 433984-84-0 | 433984-85-1 |
| 433984-86-2 | 433984-87-3 | 433984-88-4 | 433984-89-5 | 433984-90-8 |
| 433984-91-9 | 433984-92-0 | 433984-93-1 | 433984-94-2 | 433984-95-3 |
| 433984-96-4 | 433984-97-5 | 433984-98-6 | 433984-99-7 | 433985-00-3 |
| 433985-01-4 | 433985-02-5 | 433985-03-6 | 433985-04-7 | 433985-05-8 |
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| 433985-16-1 | 433985-17-2 | 433985-18-3 | 433985-19-4 | |

RL: ANT (Analyte); ARG (Analytical reagent use); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); ANST (Analytical study); BIOL (Biological study); USES (Uses)
 (nucleotide sequence; gene expression profiling of primary breast carcinomas using arrays of candidate genes)

L3 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:241013 CAPLUS
 DN 136:277466
 TI Expressed gene sets as markers for specific tumors
 IN Ramaswamy, Sridhar; Golub, Todd B.; Tamayo, Pablo; Angelo, Michael
 PA Whitehead Institute for Biomedical Research, USA; Dana-Farber Cancer Institute, Inc.
 SO PCT Int. Appl., 715 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 4

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|--|----------|-----------------|----------|
| PI | WO 2002024956 | A2 | 20020328 | WO 2001-US29287 | 20010919 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| | WO 2002024956 | A2 | 20020328 | WO 2001-XA29287 | 20010919 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| | WO 2002024956 | A2 | 20020328 | WO 2001-XB29287 | 20010919 |
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| | WO 2002024956 | A2 | 20020328 | WO 2001-XC29287 | 20010919 |
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| | AU 2001092802 | A5 | 20020402 | AU 2001-92802 | 20010919 |
| | US 2002110820 | A1 | 20020815 | US 2001-955920 | 20010919 |
| PRAI | US 2000-233534P | P | 20000919 | | |
| | US 2001-278749P | P | 20010326 | | |
| | WO 2001-US29287 | W | 20010919 | | |

AB Sets of genetic markers for specific tumor classes are described, as well as methods of identifying a biol. sample based on these markers. Total RNA was isolated from .apprx.300 human tumor and normal tissue specimens representing 30 individual classes of tumor or normal tissue, and cDNA produced using established mol. biol. protocols was hybridized to two high d. Affymetrix oligonucleotide microarrays (Hu6800FL and Hu35KsubA0). Raw expression data was combined into a master data set contg. the expression values for between 6800 and 16,000 genes expressed by each individual sample. A filter was applied to this data set which only allows those genes expressed at 3-fold above baseline and with an abs. difference in expression value of 100 to pass. By comparing the sets of genes which are expressed specifically in one class of tumor (e.g., pancreatic adenocarcinoma) vs. its accompanying normal tissue (e.g., normal pancreas), sets of genes were detd. which are specific to various tumors and their normal tissue counterparts. Also described are diagnostic,

prognostic, and therapeutic screening uses for these markers, as well as oligonucleotide arrays comprising these markers. [This abstr. record is one of 4 records for this document necessitated by the large no. of index entries required to fully index the document and publication system constraints.].

IT 384649-87-0, GenBank L49054 384653-03-6, GenBank AB000584 384661-93-2, GenBank D70830 384662-97-9, GenBank U33147 384664-52-2, GenBank U43753 384681-06-5, GenBank U39487 384682-81-9, GenBank U42390 384690-93-1, GenBank U53442 384693-02-1, GenBank D86957 384695-06-1, GenBank U50929 384696-51-9, GenBank D79205 384697-71-6, GenBank U70136 384698-02-6, GenBank U64871 384728-18-1, GenBank D49958 384728-98-7, GenBank Y09321 384731-22-0, GenBank D84290 384737-49-9, GenBank D82346 384737-63-7, GenBank D83017 384750-27-0, GenBank D85815 384765-62-2, GenBank AB002308 384765-66-6, GenBank AB002313 384768-95-0, GenBank U92074 384770-18-7, GenBank U95822 384977-89-3, GenBank M87338 384980-08-9, GenBank M93426 384993-91-3, GenBank S77410 385001-60-5, GenBank Z19702 385014-92-6, GenBank Z20777 385032-52-0, GenBank L14269 385038-39-1, GenBank U02082 385055-43-6, GenBank S49592 385089-95-2, GenBank L38517 385096-34-4, GenBank U18914 385096-62-8, GenBank D37965 385100-04-9, GenBank U29607 385100-53-8, GenBank R87373 385101-84-8, GenBank D63813 385105-64-6, GenBank U60669 385131-24-8, GenBank W52431 385231-85-6, GenBank S57296 386563-36-6, GenBank S77415 389174-60-1, GenBank X14085 389175-19-3, GenBank J04152 389177-62-2, GenBank M31661 389179-95-7, GenBank M11718 389180-25-0, GenBank M21551 389180-41-0, GenBank J02947 389180-95-4, GenBank M68840 389181-35-5, GenBank X58072 389181-45-7, GenBank M86757 389181-47-9, GenBank X63578 389181-84-4, GenBank M16961 389182-04-1, GenBank J02871 389182-10-9, GenBank M29873 389182-11-0, GenBank M29874 389182-21-2, GenBank X04571 389182-43-8, GenBank X12433 389183-42-0, GenBank M27878 389183-54-4, GenBank M61176 389183-73-7, GenBank X17059 389183-86-2, GenBank X51757 389184-00-3, GenBank X56667 389184-61-6, GenBank D00654 389185-03-9, GenBank J05459 389185-07-3, GenBank X03473 389185-20-0, GenBank M60828 389185-40-4, GenBank J05582 389185-43-7, GenBank M19989 389186-15-6, GenBank M28210 389186-69-0, GenBank X54162 389186-93-0, GenBank J00117 389187-18-2, GenBank J00287 389187-20-6, GenBank J03460 389187-29-5, GenBank M27826 389189-18-8, GenBank M14113 389189-35-9, GenBank J00124 389190-70-9, GenBank D90359 389190-72-1, GenBank X59798 389191-93-9, GenBank M55998 389195-95-3, GenBank L02321 389196-47-8, GenBank L07594 389200-11-7, GenBank Z15005 389200-80-0, GenBank X54925 389202-86-2, GenBank L20861 389208-18-8, GenBank L20814 389208-34-8, GenBank U09609 389210-84-8, GenBank X81006 389214-42-0, GenBank U14910 389231-42-9, GenBank Z48199 389243-20-3, GenBank L40904 389243-36-1, GenBank R11248 389261-10-3, GenBank H04627 389265-03-6, GenBank H12112 389268-21-7, GenBank H17239 389278-85-7, GenBank X82693 389278-91-5, GenBank L40400 389279-16-7, GenBank R86920 389286-11-7, GenBank U32169 389308-01-4, GenBank L47726 389309-50-6, GenBank U16720 389312-18-9, GenBank H81340 389315-49-5, GenBank L42450 389321-34-0, GenBank N34697 389321-80-6, GenBank N36040 389331-49-1, GenBank U23430 389336-40-7, GenBank N77277 389336-58-7, GenBank U43408 389338-82-3, GenBank W02342 389339-02-0, GenBank W03018 389341-59-7, GenBank W23474 389342-25-0, GenBank W26589 389342-30-7, GenBank W28235 389355-58-2, GenBank AA001886 389355-71-9, GenBank AA002006 389357-20-4, GenBank D86425 389359-76-6, GenBank AA010324 389360-59-2, GenBank AA013042 389362-21-4, GenBank AA018418 389362-45-2, GenBank AA019528 389363-75-1, GenBank AA022985 389364-87-8, GenBank AA026054 389368-29-0, GenBank AA034179 389370-19-8, GenBank AA039595 389370-26-7, GenBank AA039762 389371-98-6, GenBank AA044095 389373-90-4, GenBank AA046865 389376-34-5, GenBank U68162 389378-32-9, GenBank AA058532 389380-78-3, GenBank AA071075 389382-47-2, GenBank AA074897 389384-99-0, GenBank AA076003 389390-56-1, GenBank AA085918 389402-71-5, GenBank AA130284 389405-16-7, GenBank AA134824 389409-47-6, GenBank AA151674 389409-53-4, GenBank AA149543 389409-92-1, GenBank AA149826

389410-96-2, GenBank AA150619 389412-59-3, GenBank AA157506
 389419-03-8, GenBank AA167273 389420-23-9, GenBank AA169640
 389423-40-9, GenBank Z83745 389423-79-4, GenBank AA176164 389426-48-6,
 GenBank AB000114 389428-51-7, GenBank AA190676 389429-86-1, GenBank
 D17408 389430-43-7, GenBank AA195077 389432-09-1, GenBank AA203274
 389432-11-5, GenBank AA203285 389433-63-0, GenBank AA209239
 389434-73-5, GenBank AC000115 389440-18-0, GenBank AA232738
 389440-92-0, GenBank AA236356 389441-88-7, GenBank AA235343
 389444-47-7, GenBank AA247453 389446-70-2, GenBank AA256485
 389448-89-9, GenBank X99802 389449-34-7, GenBank AA278243 389454-44-8,
 GenBank AA284506 389455-13-4, GenBank AA287815 389455-26-9, GenBank
 AA286807 389457-98-1, GenBank AA290745 389459-40-9, GenBank AA291551
 389465-86-5, GenBank AA398124 389466-33-5, GenBank AA398522
 389467-45-2, GenBank AA399472 389467-50-9, GenBank AA399432
 389471-52-7, GenBank AA402637 389472-10-0, GenBank AA402984
 389473-66-9, GenBank AA404988 389474-34-4, GenBank AA405775
 389474-81-1, GenBank AA406056 389475-80-3, GenBank AA411351
 389477-68-3, GenBank AA410756 389479-41-8, GenBank AA417310
 389480-90-4, GenBank AA419507 389481-47-4, GenBank AA417935
 389482-92-2, GenBank AC002076 389484-22-4, GenBank AA421328
 389486-04-8, GenBank AA424381 389486-19-5, GenBank AA424543
 389487-31-4, GenBank AA425879 389487-63-2, GenBank AA426584
 389488-14-6, GenBank AA425733 389488-53-3, GenBank AA425719
 389491-05-8, GenBank AA430466 389491-08-1, GenBank AA430486
 389494-33-1, GenBank AA429809 389494-66-0, GenBank AA432292
 389494-98-8, GenBank AA431193 389495-11-8, GenBank AA431268
 389495-98-1, GenBank AA432083 389496-02-0, GenBank D86096 389497-23-8,
 GenBank AA434329 389497-93-2, GenBank AA436149 389498-48-0, GenBank
 AA436459 389500-74-7, GenBank AA443479 389501-18-2, GenBank AA443716
 389501-72-8, GenBank AA444115 389503-11-1, GenBank AA447189
 389503-21-3, GenBank AA447349 389504-25-0, GenBank AA448177
 389504-30-7, GenBank AA448128 389504-41-0, GenBank AA448280
 389505-00-4, GenBank AA449435 389506-26-7, GenBank AA458454
 389507-93-1, GenBank AA453289 389508-18-3, GenBank AA453473
 389508-84-3, GenBank AA453795 389508-95-6, GenBank AA453815
 389509-52-8, GenBank U42408 389509-81-3, GenBank AA454581 389510-21-8,
 GenBank AA454719 389510-52-5, GenBank AA454840 389512-70-3, GenBank
 AA456055 389513-32-0, GenBank AA456610 389514-32-3, GenBank AA457216
 389515-61-1, GenBank AA459189 389516-44-3, GenBank AA459657
 389517-29-7, GenBank AA460270 389518-89-2, GenBank AA461215
 389519-74-8, GenBank AA463629 389520-04-1, GenBank AA463946
 389520-46-1, GenBank AA464180 389520-98-3, GenBank AA464334
 389521-49-7, GenBank AA464423 389521-73-7, GenBank AA464639
 389521-91-9, GenBank AA464696 389522-86-5, GenBank AA465214
 389523-45-9, GenBank AA465553 389532-81-4, GenBank AA362598
 389541-67-7, GenBank AA477031 389541-82-6, GenBank AA477214
 389544-33-6, GenBank AA479892 389547-02-8, GenBank AA479498
 389548-22-5, GenBank AA480838

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP
 (Properties); BIOL (Biological study); USES (Uses)
 (nucleotide sequence; expressed gene sets as markers for specific
 tumors)

L3 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:833383 CAPLUS
 DN 137:347485
 TI Prolactin receptor gene polymorphic markers for increased litter size in
 animals
 IN Rothschild, Max F.; Vincent, Amy L.; Tuggle, Christopher K.; Gladney,
 Christy; Mileham, Alan; Southwood, Olwen; Plastow, Graham; Sargent, Carole
 PA USA
 SO U.S. Pat. Appl. Publ., 24 pp., Cont.-in-part of U.S. Ser. No. 274,655,

abandoned.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| PI | US 2002160372 | A1 | 20021031 | US 2001-900063 | 20010706 |
| | US 5935784 | A | 19990810 | US 1997-812208 | 19970306 |
| | US 5939264 | A | 19990817 | US 1997-896365 | 19970718 |
| PRAI | US 1996-22180P | P | 19960719 | | |
| | US 1996-742805 | B1 | 19961101 | | |
| | US 1997-812208 | A1 | 19970306 | | |
| | US 1999-274655 | B2 | 19990323 | | |

AB Disclosed herein are genetic markers for animal litter size, methods for identifying such markers, and methods of screening animals to det. those more likely to produce larger litters and preferably selecting those animals for future breeding purposes. The markers are based upon the presence or absence of certain polymorphisms in the prolactin receptor gene. In particular, genetic markers in swine prolactin receptor genes for larger pig litter size are provided in addn. to methods for identifying such markers for selecting pigs for breeding. These markers include polymorphic sites for several restriction endonuclease located between exon 8 and 9, or introns 3 and 4 and exon 4 of pig prolactin receptor gene.

IT 225724-33-4, GenBank AF091870 259280-45-0, GenBank AC025447
389177-62-2, GenBank M31661

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)

(for detecting prolactin receptor gene polymorphic markers for increased litter size in animals)

IT 474569-80-7 474569-81-8 474569-82-9 474569-83-0 474569-84-1
474569-85-2 474569-86-3 474569-87-4 474569-88-5
474569-89-6 474569-90-9

RL: ARG (Analytical reagent use); FFD (Food or feed use); PRP (Properties); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(primer; for detecting prolactin receptor gene polymorphic markers for increased litter size in animals)

IT 474574-56-6 474575-20-7 474575-35-4 474575-84-3
474575-85-4 474575-87-6

RL: PRP (Properties)

(unclaimed nucleotide sequence; prolactin receptor gene polymorphic markers for increased litter size in animals)

L3 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2003 ACS

AN 2001:863850 CAPLUS

DN 136:32755

TI Nucleic acid compositions, kits, and methods for identification, assessment, prevention, and therapy of human breast cancer

IN Lillie, James; Palermo, Adam; Wang, Youzhen; Steinmann, Kathleen; Elias, Josh

PA Millennium Predictive Medicine, Inc., USA

SO PCT Int. Appl., 2674 pp.

CODEN: PIXXD2

DT Patent

LA English

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | WO 2001046697 | A2 | 20010628 | WO 2000-US35214 | 20001221 |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, | | | | |

IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM

RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB,
GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR

PRAI US 1999-PV171406 19991221
US 2000-PV176423 20000114
US 2000-PV190471 20000317
US 2000-PV193482 20000329
US 2000-PV205231 20000515
US 2000-PV213236 20000620
US 2000-PV219865 20000720

AB The invention relates to nucleic acid marker compns., kits and methods for detecting, characterizing, preventing, and treating human breast cancers. A variety of markers are provided, wherein changes in the levels of expression of one or more of the nucleic acid markers is correlated with the presence of breast cancer. The level of expression of numerous potential markers was measured in cells obtained from breast cancer tissue samples obtained from fifteen patients afflicted with breast cancer and from eleven breast cancer cell cultures, based on comparison with expression levels of each marker in corresponding non-cancerous breast tissue and cell cultures. The 15 cancer tissue samples include (i) five invasive lobular carcinomas (ILC), (ii) five invasive ductal carcinomas (IDC), and (iii) five samples of ductal carcinoma in situ (DCIS). As an addnl. evaluation of ability to indicate breast cancer, individual markers that were identified by transcriptional profiling criteria were also tested in six different subtracted library expts. In addn., protein profiling expts. were undertaken to assess whether the proteins assocd. with the expression of individual markers of the invention are secreted. Table 21 lists approx. 43,500 GenBank Accession Nos. from the present invention. [This abstr. record is one of 8 records for this document necessitated by the large no. of index entries required to fully index the document and publication system constraints.].

IT 99674-67-6, DNA (human 28 S rRNA gene) 117443-36-4, DNA (human fibroblast proteoglycanase cDNA) 117910-02-8, DNA (human clone .lambda.-15/.lambda.-1/.lambda.-3/.lambda.-20 .beta.-acetylhexosaminidase .beta.-subunit gene) 124892-68-8, DNA (human clone pGEL186.2 gelatinase-specifying plus flanks) 126903-10-4, DNA (human guanine nucleotide-binding protein Gn cDNA) 127314-95-8, DNA (human clone 16 gene rac1 protein cDNA) 127774-20-3 128003-53-2 129428-34-8 132702-51-3, DNA (human clone R10/R16 annexin VII cDNA plus flanks) 134013-46-0 134094-16-9 134195-79-2 134376-28-6 134687-68-6 135542-32-4 **135542-53-9** 135622-19-4 135946-06-4 136046-25-8 136752-02-8 137095-04-6 137672-15-2 137748-89-1, DNA (human clone 4B9-UK15 immunoglobulin G 1 light chain fragment-specifying) 137903-19-6, DNA (rat ribosome protein S 16 cDNA plus flanks) 138016-40-7, DNA (human steroid 27-monooxygenase cDNA plus flanks) 138186-27-3, DNA (human clone Tf transferrin cDNA plus flanks) 138545-98-9 138575-76-5 138635-85-5 138929-21-2 139802-73-6 139802-74-7, DNA (plasmid pCMV-AAT) 139802-91-8 139803-10-4 139803-19-3 139803-72-8 139803-78-4 139803-94-4 139804-30-1 139804-73-2 139804-76-5 139805-28-0, 1335: PN: WO0153836 TABLE: 6 claimed DNA 139805-31-5 139805-47-3 139805-63-3 139805-82-6 139805-85-9 139805-99-5 139806-02-3 139806-03-4 139806-09-0 139806-25-0 139806-47-6 139806-48-7 139806-67-0 139806-73-8 139806-77-2 139807-10-6 139807-12-8 139807-63-9 139807-69-5 139807-72-0 139808-43-8 139808-50-7 139808-52-9 139808-64-3, 1114: PN: WO0153836 TABLE: 6 claimed DNA 139808-66-5 139808-79-0 139809-05-5 139809-06-6 139809-16-8 139809-47-5 139809-48-6 139809-56-6, DNA (human neuroleukin cDNA plus flanks) 139809-63-5 139810-21-2 139810-40-5 139810-41-6 139810-63-2 139810-71-2

139810-88-1 139811-30-6 139811-35-1, 1151: PN: WO0153836 TABLE: 6
 claimed DNA 139811-41-9 139811-46-4 139811-92-0 139811-93-1, DNA
 (human gene TCB) 139812-50-3 139812-57-0 139812-88-7, DNA (human
 ubiquitin cDNA plus flanks) 139813-19-7 139825-06-2, 1147: PN:
 WO0153836 TABLE: 6 claimed DNA 139826-29-2 139835-11-3 139835-26-0
 139835-76-0 139837-00-6 139837-39-1, DNA (human annexin II pseudogene
 ANX2P2) 139837-40-4, DNA (human annexin II pseudogene) 139838-24-7
 139838-54-3 139846-25-6 139852-35-0 139859-24-8 139860-99-4, DNA
 (human lactoferrin cDNA plus flanks) 139861-97-5 139863-03-9
 139864-03-2 139865-30-8 139866-85-6 140025-50-9 140025-53-2
 140025-59-8 140025-74-7 140025-78-1, DNA (human cDNA) 140025-80-5
 140025-84-9 140025-92-9 140025-93-0 140025-97-4 140026-06-8
 140026-16-0 140026-29-5 140026-42-2 140026-49-9, PN: WO9945943
 SEQID: 10 unclaimed DNA 140026-83-1 140026-95-5 140027-05-0
 140027-07-2 140027-08-3 140027-10-7 140027-16-3, 1148: PN: WO0153836
 TABLE: 6 claimed DNA 140027-26-5 140027-31-2 140027-41-4
 140027-42-5 140027-60-7 140027-65-2 140027-72-1 140027-79-8
 140027-88-9 140027-93-6 140028-01-9 140028-08-6, 1109: PN: WO0153836
 TABLE: 6 claimed DNA 140028-10-0 140028-18-8 140028-27-9
 140028-28-0 140028-30-4 140028-40-6 140028-41-7 140028-58-6
 140028-71-3 140028-73-5 140028-85-9 140028-86-0 140028-93-9
 140028-99-5 140029-36-3 140029-51-2 140029-63-6 140029-74-9
 140029-80-7, 1: PN: US6040179 SEQID: 1 unclaimed DNA 140029-86-3
 140030-60-0 140030-77-9 140030-82-6 140030-94-0 140031-20-5, 1370:
 PN: WO0153836 TABLE: 6 claimed DNA 140031-21-6 140031-29-4
 140031-31-8 140031-39-6 140031-40-9 140031-51-2 140031-55-6
 140031-77-2 140031-84-1 140031-85-2, 1417: PN: WO0153836 TABLE: 6
 claimed DNA 140032-25-3 140032-30-0 140032-60-6 140033-00-7
 140033-22-3 140033-26-7 140033-36-9 140033-45-0 140033-54-1
 140033-61-0 140033-70-1 140033-72-3 140033-86-9 140033-89-2
 140033-90-5 140033-94-9 140033-99-4 140034-00-0 140034-04-4
 140034-05-5 140034-26-0 140034-47-5 140034-53-3 140034-66-8
 140034-69-1 140034-90-8 140035-01-4 140035-07-0 140035-21-8
 140035-30-9 140035-44-5 140035-47-8 140035-59-2 140035-64-9
 140035-80-9, 1321: PN: WO0153836 TABLE: 6 claimed DNA 140035-81-0
 140035-86-5, 1341: PN: WO0153836 TABLE: 6 claimed DNA 140035-95-6
 140035-97-8 140036-08-4 140036-10-8, DNA (human gene Thy-1 plus
 flanks) 140036-49-3, DNA (human .alpha.-tubulin cDNA) 140036-61-9
 140036-62-0 140036-64-2 140036-72-2 140036-73-3 140036-74-4
 140036-77-7 140048-79-9 140048-87-9 140049-40-7 140049-44-1
 140050-06-2 140050-21-1 140050-69-7 140050-75-5, DNA (human gene
 HOX1.3 plus flanks) 140051-15-6
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
 (Biological study)
 (nucleotide sequence; nucleic acid compns., kits, and methods for
 identification, assessment, prevention, and therapy of human breast
 cancer)

L3 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2003 ACS
 AN 2000:454241 CAPLUS
 DN 133:84230
 TI Soluble human prolactin receptors
 IN Kelly, Paul A.; Nagano, Makoto
 PA Institut National de la Sante et de la Recherche Medicale (INSERM), Fr.;
 Applied Research Systems ARS Holding N.V.
 SO U.S., 26 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|-------|-----------------|-------|
| ----- | ---- | ----- | ----- | ----- |

PI US 6083714 A 20000704 US 1997-806597 19970226
US 6083753 A 20000704 US 1997-970428 19971114
PRAI US 1996-12503P P 19960229
US 1997-806597 A3 19970226

AB Sol. polypeptides of human prolactin receptor, corresponding to products expressed from differentially spliced mRNA and obtainable from various human tissues, are reported and recombinant mols. contg. nucleic acid sequences encoding the sol. polypeptides of human prolactin receptor can be constructed and inserted into expression vectors for prodn. in transformed host cells.

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 280146-43-2, 5: PN: US6083714 SEQID: 1 unclaimed DNA 280146-44-3, 7: PN: US6083714 SEQID: 3 unclaimed DNA 280146-46-5, 9: PN: US6083714 SEQID: 5 unclaimed DNA 280146-47-6, 11: PN: US6083714 SEQID: 7 unclaimed DNA 280146-49-8, 13: PN: US6083714 SEQID: 9 unclaimed DNA 280146-50-1
280146-51-2

RL: PRP (Properties)

(unclaimed nucleotide sequence; sol. human prolactin receptors)

L3 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2003 ACS

AN 2000:660883 CAPLUS

DN 133:317670

TI Sequence and functional characterization of the marmoset monkey (Callithrix jacchus) prolactin receptor: comparative homology with the human long-form prolactin receptor

AU Dalrymple, A.; Edery, M.; Jabbour, H. N.

CS Medical Research Council Human Reproductive Sciences Unit, Centre for Reproductive Biology, Edinburgh, EH3 9ET, UK

SO Molecular and Cellular Endocrinology (2000), 167(1-2), 89-97
CODEN: MCEND6; ISSN: 0303-7207

PB Elsevier Science Ireland Ltd.

DT Journal

LA English

AB This study demonstrates the cloning and in-vitro characterization of the marmoset monkey (Callithrix jacchus) prolactin receptor cDNA. The marmoset prolactin receptor cDNA was generated by reverse transcription-polymerase chain reaction using adrenal RNA and primers designed from prolactin receptor conserved regions. Sequence anal. predicts a mature protein of 598 amino acids exclusive of the 24 amino acid signal peptide. The marmoset prolactin receptor cDNA shares 93 and 61% base pair, and 89 and 61% amino acid sequence homologies with the long form human and rat prolactin receptor cDNA, resp. The marmoset prolactin receptor cDNA sequence retains all the receptor sequences that have been shown previously to be essential for ligand binding, structural integrity and signal transduction. Transfection of human 293 fibroblast cells with the marmoset prolactin receptor cDNA (three independent expts.) confirmed the expression of a receptor that has high binding affinity to human growth hormone ($K_a = 3.6 \text{ nM}^{-1}$ and $B_{max} = 7.55 \cdot 10^{-11} \text{ M}$) and human prolactin ($K_a = 3.1 \text{ nM}^{-1}$ and $B_{max} = 2.87 \cdot 10^{-11} \text{ M}$). Functionality of the receptor was assessed by co-transfection of 293 fibroblast cells with marmoset prolactin receptor cDNA and the Jak2 cDNA, or marmoset prolactin receptor and a Stat5 responsive element linked to the luciferase coding sequence. Incubation of the cells with 18 nM ovine prolactin resulted in rapid phosphorylation of Jak2 as ascertained by Western blotting. In addn., the marmoset prolactin receptor cDNA led to 9.06-fold induction of luciferase gene activity. This was comparable with the induction obsd. following transfection with the human prolactin receptor cDNA (8.55-fold). In-vivo prolactin receptor expression in the marmoset monkey was assessed by RNase protection assay and detected in a no. of tissues including female reproductive organs. These data confirm the cloning and functionality of the marmoset prolactin receptor cDNA. The

marmoset prolactin receptor shares a high sequence homol. with the long-form human prolactin receptor, and both receptors bind hormones with comparable affinity and confer a similar intracellular response. The marmoset monkey may provide a useful tool to investigate the role of prolactin in primate reprodn.

RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 256619-72-4, GenBank AJ272217
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
(Biological study)
(nucleotide sequence; sequence, tissue distribution and functional
characterization of marmoset monkey prolactin receptor)

L3 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2003 ACS

AN 1999:805401 CAPLUS

DN 132:117708

TI Functional characterization of the intermediate isoform of the human prolactin receptor

AU Kline, J. Bradford; Roehrs, Heather; Clevenger, Charles V.

CS Department of Pathology and Laboratory Medicine, University of Pennsylvania School of Medicine, Philadelphia, PA, 19104, USA

SO Journal of Biological Chemistry (1999), 274(50), 35461-35468

CODEN: JBCHA3; ISSN: 0021-9258

PB American Society for Biochemistry and Molecular Biology

DT Journal

LA English

AB Prolactin-dependent signaling occurs as the result of ligand-induced dimerization of the prolactin receptor (PRLr). While three PRLr isoforms have been characterized in the rat, studies have suggested the existence of several human isoforms in breast carcinoma species and normal tissues. Reverse transcription polymerase chain reaction was performed on mRNA isolated from the breast carcinoma cell line T47D, revealing two predominant receptor isoforms: the previously described long PRLr and a novel human intermediate PRLr. The nucleotide sequence of the intermediate isoform was found to be identical to the long isoform except for a 573-base pair deletion occurring at a consensus splice site, resulting in a frameshift and truncated intracytoplasmic domain. Scatchard anal. of the intermediate PRLr revealed an affinity for PRL comparable with the long PRLr. While Ba/F3 transfectants expressing the long PRLr proliferated in response to PRL, intermediate PRLr transfectants exhibited modest incorporation of [3H]thymidine. Significantly, however, both the long and intermediate PRLr were equiv. in their inhibition of apoptosis of the Ba/F3 transfectants after PRL treatment. The activation of proximal signaling mol. also differed between isoforms. Upon ligand binding, Jak2 and Fyn were activated in CHO-K1 cells transiently transfected with the long PRLr. In contrast, the intermediate PRLr transfectants showed equiv. levels of Jak2 activation but only minimal activation of Fyn. Last, Northern anal. revealed variable tissue expression of intermediate PRLr transcript that differed from that of the long PRLr. Taken together, differences in signaling and tissue expression suggest that the human intermediate PRLr differs from the long PRLr in physiol. function.

RE.CNT 81 THERE ARE 81 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 233742-79-5, GenBank AF166329
RL: PRP (Properties)
(nucleotide sequence; mol. and functional characterization and tissue
distribution of intermediate isoform of human prolactin receptor)

L3 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2003 ACS

AN 1992:16692 CAPLUS

DN 116:16692

TI CDNA for human prolactin receptor and its cloning and expression
IN Kelly, Paul A.; Djiane, Jean
PA Royal Institution for the Advancement of Learning, Can.
SO U.S., 11 pp.

CODEN: USXXAM

DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| PI | US 4992378 | A | 19910212 | US 1988-286445 | 19881216 |
| PRAI | US 1988-286445 | | 19881216 | | |

AB The cDNA encoding human prolactin receptor is cloned and a plasmid for expression in animal cells is provided. The cDNA was cloned from a .lambda.gt10 library prepd. from human hepatoma Hep G2 and T47-D breast cancer cells using a probe prepd. from a rat prolactin receptor cDNA. The nucleotide sequence thereof and its deduced amino acid sequence were disclosed. Plasmid pECE encoding human prolactin receptor for expression in mammalian cells such as CHO and COS-7 was also given.

IT 135542-53-9

RL: PRP (Properties); BIOL (Biological study)
(nucleotide sequence and cloning in Escherichia coli of)

L3 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2003 ACS

AN 1990:211724 CAPLUS

DN 112:211724

TI Identification of a cDNA encoding a long form of prolactin receptor in human hepatoma and breast cancer cells

AU Boutin, Jean Marie; Ederly, Marc; Shirota, Mariko; Jolicoeur, Christine; Lesueur, Laurence; Ali, Suhad; Gould, David; Djiane, Jean; Kelly, Paul A.

CS Lab. Mol. Endocrinol., McGill Univ., Montreal, QC, H3A 1A1, Can.

SO Molecular Endocrinology (1989), 3(9), 1455-61

CODEN: MOENEN; ISSN: 0888-8809

DT Journal

LA English

AB Human PRL receptor cDNA clones from hepatoma (Hep G2) and breast cancer (T-47D) libraries were isolated by using a rat PRL receptor cDNA probe. The nucleotide sequence predicts a mature protein of 598 amino acids with a much longer cytoplasmic domain than the rat liver PRL receptor. Although this extended region has addnl. segments of localized sequence identity with the human GH receptor, there is no identity with any consensus sequences known to be involved in hormonal signal transduction. This cDNA will be a valuable tool to better understand the role of PRL in the development and growth of human breast cancer.

IT 127004-23-3, Deoxyribonucleic acid (human clone H2/H1 prolactin receptor messenger RNA-complementary)

RL: PRP (Properties); BIOL (Biological study)
(nucleotide sequence of)

=> s mse and prolactin

469 MSE

31719 PROLACTIN

L4 0 MSE AND PROLACTIN

=> file medline biosis caplus agricola

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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64.76

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

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-6.51

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FILE 'BIOSIS' ENTERED AT 12:35:53 ON 02 JAN 2003

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FILE 'AGRICOLA' ENTERED AT 12:35:53 ON 02 JAN 2003

=> s mse# and prolactin

L5 20 MSE# AND PROLACTIN

=> dup rem l5

PROCESSING COMPLETED FOR L5

L6 16 DUP REM L5 (4 DUPLICATES REMOVED)

=> d 1-16 ti

L6 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2003 ACS

TI **Prolactin** receptor gene polymorphic markers for increased litter size in animals

L6 ANSWER 2 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI Microvessel structural entropy: A novel approach for the assessment of angiogenesis in pituitary tumors.

L6 ANSWER 3 OF 16 MEDLINE

TI Functional coupling of voltage-dependent L-type Ca2+ current to Ca2+-activated K+ current in pituitary GH3 cells.

L6 ANSWER 4 OF 16 MEDLINE

TI Event-related brain potentials in male hypogonadism.

L6 ANSWER 5 OF 16 MEDLINE

DUPLICATE 1

TI Effects of bromocriptine and haloperidol on prepulse inhibition: comparison of the acoustic startle eyeblink response and the N1/P2 auditory-evoked response in man.

L6 ANSWER 6 OF 16 MEDLINE

TI Effects of bromocriptine and haloperidol on prepulse inhibition of the acoustic startle response in man.

L6 ANSWER 7 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI Effects of bromocriptine and haloperidol on prepulse inhibition of the acoustic startle response in man.

L6 ANSWER 8 OF 16 MEDLINE

DUPLICATE 2

TI Halothane inhibits two components of calcium current in clonal (GH3) pituitary cells.

L6 ANSWER 9 OF 16 MEDLINE

TI Dopamine inhibits two characterized voltage-dependent calcium currents in identified rat lactotroph cells.

L6 ANSWER 10 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI CLINICAL STUDY ON THE NORMAL PITUITARY GLAND AND THE DIAGNOSIS OF PITUITARY ADENOMAS BY MAGNETIC RESONANCE IMAGING.

L6 ANSWER 11 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 TI INCREASED CONCENTRATIONS OF THREE ADENOHYPOPHYSEAL HORMONES IN THE CEREBROSPINAL FLUID OF HUMAN FETUSES.

L6 ANSWER 12 OF 16 MEDLINE
 TI Dissociation of **prolactin** and LH release responses after stimulation within the preoptic-suprachiasmatic region in male rats.

L6 ANSWER 13 OF 16 MEDLINE DUPLICATE 3
 TI **Prolactin** and luteinizing hormone release after diencephalic lesions and stimulation.

L6 ANSWER 14 OF 16 MEDLINE
 TI Effect of electrical stimulation of mammary nerve upon pituitary and plasma **prolactin** concentrations in anesthetized lactating rats.

L6 ANSWER 15 OF 16 MEDLINE DUPLICATE 4
 TI Electrophysiological evidences for possible participation of periventricular neurons in anterior pituitary regulation.

L6 ANSWER 16 OF 16 CAPLUS COPYRIGHT 2003 ACS
 TI Possible role of the medial basal prechiasmatic area in the release of LH and **prolactin** in rats

=> d bib ab

L6 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:833383 CAPLUS
 DN 137:347485
 TI **Prolactin** receptor gene polymorphic markers for increased litter size in animals
 IN Rothschild, Max F.; Vincent, Amy L.; Tuggle, Christopher K.; Gladney, Christy; Mileham, Alan; Southwood, Olwen; Plastow, Graham; Sargent, Carole
 PA USA
 SO U.S. Pat. Appl. Publ., 24 pp., Cont.-in-part of U.S. Ser. No. 274,655, abandoned.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| PI | US 2002160372 | A1 | 20021031 | US 2001-900063 | 20010706 |
| | US 5935784 | A | 19990810 | US 1997-812208 | 19970306 |
| | US 5939264 | A | 19990817 | US 1997-896365 | 19970718 |
| PRAI | US 1996-22180P | P | 19960719 | | |
| | US 1996-742805 | B1 | 19961101 | | |
| | US 1997-812208 | A1 | 19970306 | | |
| | US 1999-274655 | B2 | 19990323 | | |

AB Disclosed herein are genetic markers for animal litter size, methods for identifying such markers, and methods of screening animals to det. those more likely to produce larger litters and preferably selecting those animals for future breeding purposes. The markers are based upon the presence or absence of certain polymorphisms in the **prolactin** receptor gene. In particular, genetic markers in swine **prolactin** receptor genes for larger pig litter size are provided in addn. to methods for identifying such markers for selecting pigs for breeding. These markers include polymorphic sites for several restriction endonuclease located between exon 8 and 9, or introns 3 and 4 and exon 4 of pig **prolactin** receptor gene.